

Converting Colors

$Y_{xy}(23.6222, 0.3620, 0.4993)$

Have a look what the booklet for
Yxy(23.6222, 0.3620, 0.4993)
contains.

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Color

Yxy(23.5478, 0.3621, 0.4991)

Conversions

Conversions Part 1

Format	Color
Hex	6F9031
RGB	111, 144, 49
RGB Percent	44%, 56%, 19%
CMY	0.5647, 0.4353, 0.8079
CMYK	0.23, 0.00, 0.66, 0.44
HSL	81°, 49%, 38%
HSV	81°, 66%, 56%
XYZ	17.0841, 23.5478, 6.5487
YIQ	123.3030, 10.8270, -36.5410

Conversions

Conversions Part 2

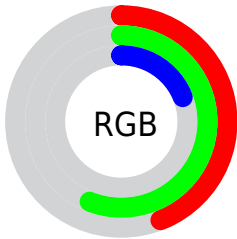
Format	Color
R_{YB}	49, 144, 82
Decimal	7311409
CIE _{Lab}	55.63, -26.58, 45.14
CIE _{LCh}	56, 52.389, 120.492
Yxy	23.5478, 0.3621, 0.4991
Android (android.graphics.Color)	4285501489 (0xFF6F9031)
YUV	123.3030, -36.6314, -10.7897
Hunter-Lab	48.5261, -22.0780, 25.9670

Details

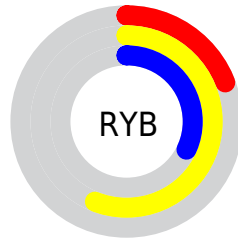
The Yxy color **23.5478, 0.3621, 0.4991** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.0019, 0.2253, 0.1407**, and the grayscale version is **20.0342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3076, 0.3556, 0.4613**, and **8.7585, 0.3604, 0.5520** is the 20% darker color. If you saturate the color by 10%, you get **23.1308, 0.3643, 0.5196**, and if you desaturate by 10%, it is **24.0240, 0.3578, 0.4752**.

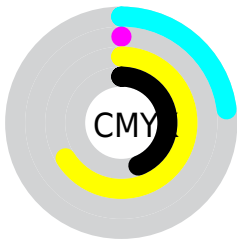
Distribution



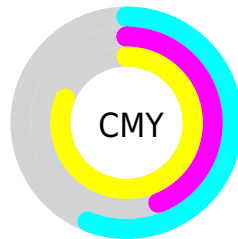
- Red (44%)
- Green (56%)
- Blue (19%)



- Red (19%)
- Yellow (56%)
- Blue (32%)



- Cyan (23%)
- Magenta (0%)
- Yellow (66%)
- Black (44%)



- Cyan (56%)
- Magenta (44%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5478, 0.3621, 0.4991 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 23.5478, 0.3621, 0.4991 by changing the saturation by 10% instead.


 23.5478, 0.3621,
0.4991


 23.5478, 0.3621,
0.4991


 270.5263, 0.3401,
0.4022


 14.9985, 0.3646,
0.5263

 49.2913, 0.3557,
0.4613


 8.8183, 0.3647,
0.5620


 67.2542, 0.3527,
0.4478


 4.6229, 0.3701,
0.6299

 89.1239, 0.3500,
0.4367

 2.0277, 0.3315,
0.6685

 115.2846, 0.3476,
0.4275

 0.6235, 0.0000,
1.0000

 146.1208, 0.3454,
0.4197

 0.0000, 0.0000,
0.0000

 182.0169, 0.3435,

0.4130

223.3573, 0.3417,
0.4072

■ 23.5478, 0.3621,
0.4991

■ 23.5478, 0.3621,
0.4991

■ 23.1308, 0.3643,
0.5196

■ 24.0240, 0.3578,
0.4752

■ 22.7655, 0.3641,
0.5359

■ 24.5597, 0.3516,
0.4491

■ 22.4471, 0.3618,
0.5476

■ 25.1594, 0.3442,
0.4220

■ 22.3268, 0.3606,
0.5519

■ 25.8260, 0.3358,
0.3948

■ 26.5622, 0.3270,
0.3684

■ 27.3708, 0.3180,
0.3432

■ 28.2540, 0.3092,
0.3198

■ 29.2143, 0.3007,
0.2982

■ 30.2538, 0.2926,
0.2785

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.5478, 0.4393, 0.4642



23.5478, 0.3621, 0.4991



23.5478, 0.2766, 0.4700

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.5478, 0.3621, 0.4991



23.5478, 0.1616, 0.2209



23.5478, 0.4227, 0.2779

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.5478, 0.3621, 0.4991



6.0019, 0.2253, 0.1407

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.5478, 0.3295, 0.2293



23.5478, 0.3621, 0.4991



23.5478, 0.1872, 0.1961

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.5478, 0.3621, 0.4991



23.5478, 0.1668, 0.2820



23.5478, 0.2440, 0.2004



23.5478, 0.4840, 0.3381

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.5478, 0.3621, 0.4991



23.5478, 0.2263, 0.4125



23.5478, 0.2440, 0.2004



23.5478, 0.3931, 0.2600

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.5488, 0.3621, 0.4991



46.2582, 0.3309, 0.3799



11.9852, 0.4770, 0.3819



10.5335, 0.3331, 0.3866



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.5488, 0.3621, 0.4991



40.4866, 0.3645, 0.5277



21.2863, 0.3148, 0.5279



6.1930, 0.3209, 0.3511



19.4556, 0.3609, 0.5516



0.1983, 0.3887, 0.5296

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



6.0019, 0.2253, 0.1407



7.1898, 0.2028, 0.1054



8.8112, 0.2943, 0.1722



5.3404, 0.3040, 0.3066



2.3560, 0.1788, 0.0759



0.0339, 0.2268, 0.1023

Previews

White Background



This preview shows how the Yxy color 23.5478, 0.3621, 0.4991 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 23.5478, 0.3621, 0.4991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

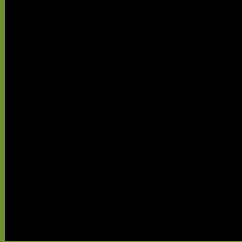
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5478, 0.3621, 0.4991

Background



This preview shows how black text looks on a background with the Yxy color 23.5478, 0.3621, 0.4991.



This preview shows how white text looks on a background with the Yxy color 23.5478, 0.3621, 0.4991.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.5478, 0.3621, 0.4991

Protanopia

23.3619, 0.4204, 0.4616

Deuteranopia

23.1969, 0.4407, 0.4319



Tritanopia

23.5832, 0.2898, 0.3115

Trichromacy



Original Color

23.5478, 0.3621, 0.4991

Protanomaly

23.2475, 0.3982, 0.4759

Deuteranomaly

23.0518, 0.4102, 0.4566

Tritanomaly

23.2247, 0.3202, 0.3811

Monochromacy



Original Color

23.5478, 0.3621, 0.4991

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.9991, 0.3364, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5478, 0.3621, 0.4991 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(111, 144, 49)` looks like.

```
.text, #text, p{  
    color:rgb(111, 144, 49)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(111, 144, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 144, 49) }
```

Border

The CSS property to change the border of an element to Yxy 23.5478, 0.3621, 0.4991 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 144, 49) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(111, 144, 49) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(111, 144, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 144, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 144, 49);  
box-shadow:4px 4px 4px 4px rgb(111, 144,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5478, 0.3621, 0.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 144, 49) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(111,  
144, 49) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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